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PURCELLVILLE FIRE AND RESCUE

500 MAPLE AVE. BUILDING #
PURCELLVILLE, VIRGINIA

SYMBOLS, LEGENDS, AND ABBREVIATIONS -
FIRE ALARM

FIRE ALARM

SYMBOL	DESCRIPTION
(15)	CANDELA RATING
⊗	FIRE ALARM CEILING MOUNTED VISIBLE NOTIFICATION APPLIANCE
▼ ○	FIRE ALARM CEILING MOUNTED AUDIBLE NOTIFICATION APPLIANCE
⊗ ▼	FIRE ALARM CEILING MOUNTED COMBINED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE
⊙	HEAT DETECTOR
⊗	SMOKE DETECTOR
—⊗	DUCT SMOKE DETECTOR
Ⓢ	FIRE ALARM PANEL
ⓈA	FIRE ALARM ANNUNCIATOR
ⓈE	NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER PANEL
Ⓢ	MANUAL PULL STATION
ⓈM	CONTROL MODULE
ⓈM	MONITOR MODULE
Ⓢ	RELAY
ⓈJ	JUNCTION BOX
ⓈH	DOOR HOLDER
Ⓢ •	FLOW SWITCH (BY OTHERS)
Ⓢ •	TAMPER SWITCH (BY OTHERS)
—▲ S	SMOKE DAMPER (BY OTHERS)
—▲ S/F	SMOKE/FIRE DAMPER (BY OTHERS)
⊙	CARBON MONOXIDE DETECTOR
◐	ELECTRIC ALARM BELL
ⓈB	KNOX BOX

GENERAL NOTES

- SOME LEGEND SYMBOLS MAY NOT BE USED. SEE FLOOR PLANS FOR APPLICABLE DEVICES.
- THESE NOTES ARE GENERAL IN NATURE AND PERTAIN TO THE ENTIRE PROJECT UNLESS OTHERWISE NOTED AS SUCH ON AN INDIVIDUAL DRAWING.
- PRIOR TO BIDDING, THE CONTRACTOR SHALL EXAMINE ALL PROJECT DRAWINGS AND SPECIFICATIONS TO DEVELOP A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING. FAILURE TO DO THIS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM ALL REQUIRED WORK. THE CONTRACTOR SHALL ADVISE THE PROFESSIONAL OF ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL PERTINENT CODES AND REGULATIONS. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S WRITTEN INSTRUCTIONS, AND RECOGNIZED INDUSTRY PRACTICES. ALL EQUIPMENT, DEVICES, AND MATERIALS SHALL BE UL LISTED AND FM APPROVED.
- THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING ALL REQUIRED INFORMATION TO THE AUTHORITY HAVING JURISDICTION TO OBTAIN THE NECESSARY PERMITS AND APPROVALS. ALL FEES ASSOCIATED WITH THIS SUBMISSION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS AND BE RESPONSIBLE FOR ALL FEES CHARGED BY THE AUTHORITY HAVING JURISDICTION FOR SUCH INSPECTIONS.
- REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONS, ROOM FINISHES, FIRE WALLS, DOOR HARDWARE SCHEDULES AND LIKE ITEMS. REFER TO THE STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBERS. REFER TO OTHER TRADES PLANS TO UNDERSTAND THE EXTENT OF THEIR WORK AS REQUIRED.
- DO NOT SCALE DRAWINGS. HOLD INDICATED DIMENSIONS WHERE SHOWN. RESOLVE ANY DISCREPANCIES WITH THE PROFESSIONAL PRIOR TO BEGINNING WORK.
- PROVIDE A NEW MULTIPLEX/ADDRESSABLE, NON-CODED, SUPERVISED FIRE ALARM SYSTEM AS DESCRIBED IN THE SPECIFICATIONS AND AS SHOWN ON THE FIRE ALARM DRAWINGS. THE WORK COVERED UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL EQUIPMENT, LABOR, AND MATERIALS TO PROVIDE A COMPLETE SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND REFERENCED CODES. THE DRAWINGS DO NOT SHOW ALL REQUIRED CONNECTIONS, INTERCONNECTING DETAILS, TERMINAL BLOCKS, JUNCTION BOXES, ETC. THE CONTRACTOR SHALL PROVIDE ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE DESIGN INTENT AND CODE REQUIREMENTS.
- THE LAYOUT ON THE DRAWINGS IS DIAGRAMMATIC. WHERE ADDITIONAL REMOTE FIRE ALARM CONTROL UNITS, NAC EXTENDER PANELS, OR SIMILAR FIRE ALARM RELATED EQUIPMENT ARE NEEDED, THEY SHALL BE PROVIDED.
- THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ELIMINATE CONFLICTS BETWEEN STRUCTURAL ELEMENTS AS WELL AS PIPING, DUCTWORK, SPRINKLER, ARCHITECTURAL, AND OTHER ELECTRICAL WORK. ALL EQUIPMENT SHALL BE COORDINATED WITH OTHER TRADES AND ARCHITECTURAL AND STRUCTURAL FEATURES.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE FINAL PLACEMENT OF ALL FIRE ALARM DEVICES IN ACCORDANCE WITH NFPA 72 AND APPLICABLE ADA REQUIREMENTS.
- PROVIDE A NEW FIRE ALARM CONTROL PANEL (FAP) AND REMOTE ANNUNCIATOR PANEL (FAA).
- PROVIDE AUDIBLE/VISIBLE NOTIFICATION THROUGHOUT THE BUILDING.
- PROVIDE DETECTION THROUGHOUT THE BUILDING AS SHOWN IN THE PLANS.
- FURNISH DUCT SMOKE DETECTORS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. REFER TO THE MECHANICAL DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS. INTERFACE THE DUCT SMOKE DETECTORS WITH THE FIRE ALARM SYSTEM TO SHUTDOWN ASSOCIATED AIR HANDLERS UPON ACTIVATION OF THE SMOKE DETECTOR.
- PROVIDE CONTROL MODULES, RELAYS, AND MONITOR MODULES TO INTERFACE DOOR HOLDERS, FIRE PROTECTION ALARM AND SUPERVISORY SWITCHES, AND KITCHEN HOOD SUPPRESSION SYSTEMS WITH THE FIRE ALARM SYSTEM.
- PROVIDE DETECTION AND INTERFACE CONTROLS FOR ELEVATOR RECALL AND ELEVATOR POWER SHUNT.
- ALL FIRE ALARM WIRING SHALL BE IN CONDUIT THROUGHOUT, UNLESS NOTED OTHERWISE. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN AREAS WITH CEILINGS. CONDUIT SHALL BE UTILIZED IN AREAS WITHOUT CEILINGS. CONTRACTOR SHALL COORDINATE ROUTINGS WITHIN THESE EXPOSED AREAS TO PRODUCE A SYMMETRIC AND AESTHETIC LAYOUT.
- FIRE ALARM CIRCUITS SHALL BE 24-VOLT DC AND POWER WIRING SHALL BE 120-VOLT AC CIRCUITS. SIGNALING LINE CIRCUITS SHALL BE STYLE 4 AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE STYLE Y.
- CIRCUITS SHALL CONTAIN AT LEAST 20 PERCENT SPARE CAPACITY FOR NOTIFICATION APPLIANCES ON THE NAC AND/OR AMPLIFIER CIRCUITS AND 20 PERCENT SPARE CAPACITY FOR INITIATING DEVICES ON THE SLC (E.G., NOT MORE THAN 80 PERCENT LOADED).
- CONTRACTOR SHALL REPLACE IN KIND ALL CEILING TILES DAMAGED DURING INSTALLATION AT NO ADDITIONAL COST.
- CONTRACTOR SHALL REPAINT OR REFINISH ANY AREA IN KIND IF INSTALLATION DEFACES EXISTING WALLS, FLOORS, OR CEILINGS.
- AFTER ALL EQUIPMENT IS INSTALLED, IT SHALL BE TESTED TO DEMONSTRATE PROPER OPERATION OF PERFORMANCE AND COMPLIANCE WITH THE SPECIFICATIONS. EQUIPMENT NOT OPERATING CORRECTLY SHALL BE FIELD CORRECTED OR REPLACED. SYSTEMS WILL BE TESTED IN ACCORDANCE WITH NFPA REQUIREMENTS. THE OWNER'S REPRESENTATIVE, PROFESSIONAL, AND AUTHORITY HAVING JURISDICTION SHALL BE PRESENT FOR THE TEST.
- PROVIDE FIREPROOFING AT ALL CONDUIT AND HANGER PENETRATIONS OF THE FIRE RATED ASSEMBLY INSTALLED AT THE UNDERSIDE OF THE ROOF TRUSSES.

DRAWING LIST

SHEET NUMBER	DRAWING TITLE
FA-000	SYMBOLS, LEGENDS, AND ABBREVIATIONS - FIRE ALARM
FA-100	FLOOR PLAN - AREA A - FIRE ALARM
FA-101	FLOOR PLAN - AREA B - FIRE ALARM
FA-800	DETAILS - FIRE ALARM

TYPICAL ANNOTATION



AREA OF REVISION



REVISION SEQUENCE NUMBER



KEYED NOTE



DEMOLITION KEYED NOTE



POINT OF CONNECTION TO EXISTING SYSTEM



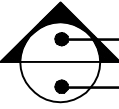
POINT OF DISCONNECTION OF EXISTING SYSTEM



DETAIL NUMBER



DRAWING NUMBER



SECTION LETTER



SECTION DRAWING NUMBER

KEY PLAN

REVISIONS:

ISSUES:
9-26-07 BID SET

STAMP AND SEAL:

DATE: 09-26-07 SCALE: AS NOTED

PROJECT NO. 0611

SHEET: FA-000

BID SET